



# HASCO School 2012 - welcome

## Arnulf Quadt Georg-August-Universität Göttingen

Home Partners Programme 2012 Application Material Photos Guest book Contact

Hadron Collider School - HASCO

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# Physics in Göttingen



Georg Christoph Lichtenberg



Carl Friedrich Gauß



Max Born



Werner Heisenberg



Peter Debye



James Franck



Maria Göppert-Mayer

cmpb DFG Forschungszentrum Molekularphysiologie des Gehirns  
DFG Research Center Molecular Physiology of the Brain

SFB705  
Nanoscale Photonic Imaging



- 10 million Euro/year (University)
- 7 million Euro/year (external)
- 26 professor positions
- 150 scientists (20% international)
- 100 technical and admin. staff

## STUDENTS

- 1000 students (undergr. & grad.)
- 150-200 beginners per year
- 20% female students
- 5% international students (up to MSc)
- 25% international PhD students





# Schedule

## ERASMUS-IP Hadron Collider Physics School (HASCO) 2012

Su, 18.07.	
18:00 - 19:00	arrival in Göttingen train station & youth hostel
19:00 - 20:00	registration
20:00 - 21:00	dinner

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21:00

	Mo, 16.07.	Tu, 17.07.	We, 18.07.	Th, 19.07.	Fr, 20.07.	Sa, 21.07.	Su, 22.07.
08:00	breakfast	breakfast	breakfast	breakfast	breakfast	breakfast	breakfast
09:00	intro & welcome hadron collider physics and kinematics (1)	QCD and jets (theory, 2)	ROOT Lecture (2)	Statistics Lecture (2)	QCD and jets (experiment, 1)		
10:00							
10:30							
11:00							
11:30	seminar preparation in groups	seminar preparation in groups		seminar preparation in groups	seminar preparation in groups	exhibition "Dinge des Wissens" Paulinerkirche	
12:00							
12:30							
13:00	lunch	lunch		lunch	lunch	free time in Göttingen	Excursion to Wernigerode (Harz)
13:30							
14:00							
14:30	hadron collider physics and kinematics (2)	ROOT Lecture (1)	trip to Wolfsburg and visit of phaeon physics exhibition	ROOT & stats. Tutorial (1) @ Uni	QCD and jets (experiment, 2)		visit to the city and steam train ride to Brocken mountain
15:00							
15:30	break	break		break	break		
16:00							
17:00	QCD and jets (theory, 1)	Statistics Lecture (1)		ROOT & stats. Tutorial (2) @ Uni	student presentations		
17:30							
18:00							
18:30							
19:00	dinner	external dinner in restaurant Fellini	dinner	dinner	dinner	optional dinner in Göttingen city no dinner foreseen in Youth Hostel	external dinner in Wernigerode
19:30							
20:00							
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21:00							

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	Mo, 23.07.	Tu, 24.07.	We, 25.07.	Th, 26.07.	Fr, 27.07.
08:00	breakfast	breakfast	breakfast	breakfast	breakfast
09:00	electroweak physics (1)	electroweak physics (2)	top quark Physics (1)	SUSY and Exotics (2)	student presentations
10:00					
10:30					
11:00	seminar preparation in groups	detector physics	top quark Physics (2)	student presentations	student presentations
11:30					
12:00					
12:30					
13:00	lunch	lunch	lunch	lunch	lunch
13:30					
14:00					
14:30	LHC Accelerator	Higgs physics	SUSY and Exotics (1)	written examination	school summary & certificates
15:00					
15:30					
16:00	break	break	break	break	break
16:30					
17:00	student presentations	student presentations	student presentations & evaluation	student presentations	departure
17:30					
18:00					
18:30					
19:00	dinner	dinner	dinner	external dinner at Burg Plesse	
19:30					
20:00					
20:30					
21:00					

- lectures incl. evaluation
- tutorials incl. evaluation
- Student seminar talk
- written examination next Thursday → 6 ECTS
- external dinners
- Dinner at Fellini on Tuesday
- Exhibition "Dinge des Wissens" on Saturday





# More infos



- **Coffee breaks**
- **lunch**
- **Film team and fotos**
- **Reimbursement**
- **Secretariat (D.01.117, Bernadette Tyson and Gebriela Herbold or Lucie Hamdi)**